## **CLAIM AMENDMENTS**

1. (currently amended) A system for controlling transmission of data packets through an information network, each data packet comprising a content portion, a header, and a trailer, the information network having a plurality of user workstations communicatively coupled to a network access point (NAP), said system comprising:

a Regional Transaction Processor (RTP); and

eoupled to the RTP, a data Enabling Device (DED), said DED being disposed at the NAP

and communicatively coupled to the RTP, said DED containing content match
information and operable to:

receive inspect at least the content portions of data packets from the information network transiting the NAP;

detect forward an inspected data packet when information within the

content portions portion of a data packet is not substantially similar
to content match information; and

when information within the content portion of [[a]] an inspected data

packet is substantially similar to content match information,

temporarily store the inspected data packet, initiate issuance of a

DED message to a recipient user workstation, and invoke the RTP

to process a transaction; wherein

the RTP transmits an RTP message to the DED authorizing forwarding of the data

packet only when a result of the transaction indicates that forwarding is

appropriate.

- 2. (previously presented) The system as set forth in claim 1, wherein the transaction is based on control information associated with the content match information.
- 3. (previously presented) The system as set forth in claim 1 wherein the DED is operable to detect when the data packets include content match information at a rate proportional to the rate at which the data packets are received by the DED.
  - 4. (canceled)
- 5. (previously presented) The system as set forth in claim 1 wherein the RTP comprises a network server and a database, and is operable to process requests for content.
  - 6. (canceled)
- 7. (currently amended) The system[[,]] as set forth in claim 1, further comprising a plurality of DEDs NAPs along a network route, wherein each NAP has an associated DED [[is]] operable to communicate with at least one of the other DEDs.
- 8. (currently amended) The system as set forth in claim 7 wherein the plurality of DEDs include
- <u>a first NAP includes</u> a first DED that generates for generating a message <u>DED message</u>; and

the system comprises at least one intermediate DED operable to forward the <u>DED</u> message to the <u>a</u> DED closest, within the information network, to the recipient user workstation along the network route.

- 9. (currently amended) The system[[,]] as set forth in claim 7, wherein the <u>a</u> plurality of DEDs are operable to communicate with each other to prevent transmitting more than one <u>DED</u> message for the same data packet through within the information network route.
- 10. (currently amended) The system[[,]] as set forth in claim 1, wherein the RTP transmits one of a Release\_Content message or and a Cease\_Content message to the DED, based on whether a data packet was authorized to be downloaded to the workstation result of the transaction.
- 11. (original) The system, as set forth in claim 1, wherein the DED includes Field Programmable Gate Arrays (FPGAs).
- 12. (previously presented) The system as set forth in claim 11 wherein the FPGAs are reprogrammed over the network to perform a content matching function.
- 13. (previously presented) The system as set forth in claim 11 wherein a portion of the DED is dynamically reprogrammed, and the DED is operable to continue processing data packets during the dynamic reprogramming.
- 14. (original) The system, as set forth in claim 1, further comprising a Central Storage and Backup System (CSBS) operable to communicate with the RTP, to monitor operation of the RTP, and to store transaction information.
- 15. (original) The system, as set forth in claim 14, wherein the CSBS is operable to transmit information to reprogram the DED to communicate with another RTP.

- 16. (original) The system, as set forth in claim 1, further comprising a content matching server operable to store content match information, to communicate with the DED, and to transmit the content match information to the DED.
- 17. (previously presented) The system as set forth in claim 1 wherein the DED is operable to suspend transmission of data packets through the information network until a user response to a prompt is received.
- 18. (currently amended) A method for controlling transmission of identifiable content over data packets through an information network, each data packet comprising a content portion, a header, and a trailer, the information network having a plurality of user workstations communicatively coupled to a network access point (NAP), said method comprising:
  - a data Enabling Device (DED), said DED being disposed at the NAP and

    communicatively coupled to a Regional Transaction Processor (RTP) RTP, said

    DED containing content match information for the content to a DED, wherein the

    DED is located in the information network along a transmission path of a plurality

    of data packets, each data packet having a header, a content portion, and a trailer;
  - information within the content portion of the inspected data packet is not

    substantially similar to content match information in content portions of the data

    packets; and

when content match information is detected in a within the content portion of [[a]] an inspected data packet is substantially similar to content match information, temporarily storing the inspected data packet, issuing a prompt to a recipient user workstation, and invoking the RTP to process a transaction.

- 19. (previously presented) The method as set forth in claim 18, wherein the prompt is based on control information associated with the content match information.
  - 20. (canceled)
- 21. (currently amended) The method[[,]] as set forth in claim 18, further comprising: processing a transaction based on a user's response to the prompt received from the recipient user workstation.
- 22. (currently amended) The method[[,]] as set forth in claim 18, wherein the information network comprises a plurality of DEDs, and the method further comprising comprises transmitting a message among [[a]] the plurality of DEDs along the transmission path to prevent transmitting more than one prompt for the same data packet.
- 23. (previously presented) The method as set forth in claim 18, further comprising: processing a transaction based on a user response to the prompt, and transmitting a Release\_Content or Cease\_Content message to the DED based on whether content was authorized to be downloaded to the workstation as part of the transaction.

- 24. (original) The method, as set forth in claim 18, further comprising: reprogramming a portion of the DED to detect different content match information.
- 25. (previously presented) The method as set forth in claim 18, further comprising suspending transmission of a data packet through the information network until a user response to the prompt is received.
  - 26. (original) A computer program product comprising: program instructions to implement the method of claim 18.
  - 27. (original) A data signal comprising: program instructions to implement the method of claim 18.
  - 28. 53. (canceled)
- 54. (currently amended) The system as set forth in claim 1 wherein the DED is further operable to search data packets for content match information to determine whether transmission of data packets containing particular content should be <u>unconditionally</u> prevented, and when the DED finds such content match information, the DED prevents, <u>without additional processing</u>, <u>further transmission forwarding</u> of data packets containing said particular content, <u>without additional processing</u>.
- 55. (currently amended) The system as set forth in claim 1, wherein a content provider supplies transaction instructions to the RTP for use by the RTP when processing a transaction when the DED finds content match information in a data packet.

- 56. (currently amended) The system as set forth in claim 55, wherein the instructions include transmitting a transaction prompt to the <u>recipient</u> user workstation informing of a price to pay for content in the packets a data packet, and allowing the user to accept or decline purchase of the content.
- 57. (currently amended) The system[[,]] as set forth in claim 55, wherein the instructions specify transmitting a prompt to inform a user that content infected with a virus is attempting to be transmitted from or received by the <u>recipient user</u> workstation, and that transmission or reception of the virus is being halted.
- 58. (currently amended) The system as set forth in claim 55 wherein the instructions include transmitting a prompt to the <u>recipient</u> user workstation to inform that content subject to security control is attempting to be transmitted from or received to <u>by</u> the <u>recipient</u> user workstation, and that transmission or reception of the content is being halted.
- 59. (currently amended) The system as set forth in claim 55 1, wherein the RTP tallies statistics regarding transmission of designated content.